

CORRECTED VERSION OF THE CLAIMS

Sub-B1
1. (Amended) A process for selective adsorption of biomass derived phenols selected from the group consisting of guaiacol, syringol, isolugenol, vanillin, and lignin from a biomass hydrolysate medium comprising:

- 91
- (a) contacting a mixture comprising the hydrolysate medium and a metal oxide;
 - (b) forming a phenols compound metal oxide complex;
 - (c) removing the phenols metal oxide complex from the mixture; said metal oxide is selected from the group consisting of titanium oxide, vanadium oxide, and zirconium oxide.

92
6. (Amended) The process of claim 1 further comprising regenerating the metal oxide after removing the phenols metal oxide complex from the mixture.